BRUHATH BANGALORE MAHANAGARA PALIKE

DASARAHALLI ELECTRICAL DIVISION

MEASUREMENT BOOK

Name of work: :-Annual maintenance of street lights Package - D 2 In Shettyhalli surrounding area ward no 12

Job Code No:-012-22-000005

Agreement No:EE/Ele/DZ/TEND/AGR/000010/2022-23 Date:31.03.2022

Ref no and Date of commencement of work:-:-EE/(Elec)/DZ/TEND/WO/000002/2022-23 Date:04-04-2022

Estimate Amount:Rs. 2900000.00

Administartive Sanction No EE/(Elec)/DZ/TEND/AS/11/2021-22 Date 21-03-2022

Technical Sanction No EE/(Elec)/DZ/TEND/TS/128/2021-22 Date 06-01-2022

Name of Contractror of nature of Agency:- CHIKKANNA G (CHETHAN ELECTRICALS)

Measurement Book No: 3402 Page No: date:

Bill NO :- RA Bill Bill Period :- 1/12/2022 to 31/12/2022

Sl No.	Description	Unit	Period 1 Month	Present Measurements			
				Qty	Tender Full Rate for 1 year	Rate/Month	Cost
1	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 36/40 W fluorescent tube light street lighting system.	Each	1	20	685.45	57.12	1142.40
	No of complaints attended for the period of 01/12/2022 to 31/12/2022						
2	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 125W HPMV Park lighting system	Nos	1	68	756.29	63.02	4285.36
	No of complaints attended for the period of 01/12/2022 to 31/12/2022						
3	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed belowPoles with 250W HPSV street lighting system.	Each	1	1884	1019.41	84.95	160045 8
	No of complaints attended for the period of 01/12/2022 to 31/12/2022 252 NO						
4	Operation and Maintenance of street lighting system including replacement of damaged/failed/fused out components like Lamps, Tubes Chokes, Ignitors, Capacitors, Switches , wires, Holders, Starters ,and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise, street wise data bank furnishing maintenance reports ,every day etc, complete so as to ensure efficient burning of street lights detailed in tender documents for various type of street lighting systems as detailed below 400 watts HPSV street light /High mast lighting system.	Each	1	132	1118.08	93.17	12298 44
	No of complaints attended for the period of 01/12/2022 to 31/12/2022						

ASST. EXECUTIVE ENGINEER
Bruhath Bangalore Mahanagara Palike

EE (Ele)
DZ

ASST EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike

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atement of Street

	36/40W fluorescent Lamps

	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers MCPCB surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank furnishing maintenance reports ,every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for 24 Watt to 40 Watt LED Park/ street Lighting system	Each	1	5	880 01	73 33	366 6
	Nos complaints attended for the period of 01/12/2022 to 31/12/2022						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers MCPCB surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank furnishing maintenance reports ,every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for 40 Watt to 65 W LED street Light lighting system	Each	1	182	1147 43	95 61	17401 02
	Nos complaints attended for the period of 01/12/2022 to 31/12/2022 63 no						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers MCPCB surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank furnishing maintenance reports ,every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for 90W LED street light lighting system	Each	1	55	1377 66	114 80	6314 00
	Nos complaints attended for the period of 01/12/2022 to 31/12/2022 87 no						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers MCPCB surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank furnishing maintenance reports ,every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for110/120 watt LED street light lighting system	Nos	1	0	1575 5	131 29	0
	Nos complaints attended for the period of 01/12/2022 to 31/12/2022						
	Operation and Maintenance of LED street lighting system including replacement of damaged/failed/fused out components like LED drivers MCPCB surge protective device, Switches, wires, Holders, Starter observing weather proofing technic confirming to IP 65 standards and switching ON/OFF of street lights at specified timing and Pole numbering. Preparing ward wise ,street wise street light data bank furnishing maintenance reports ,every day etc complete so as to ensure efficient burning of street lights detailed in tender documents for 150/180 watt LED street light lighting system	Nos	1	0	1871 51	155 96	0
	Nos complaints attended for the period of 01/12/2022 to 31/12/2022						

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Bruhath Bangalore Mahanagara Pa
Dasarahalli Zone

ASST EXECUTIVE ENGINEER (Ele)
Bangalore Mahanagara Palike

Supply and Installation / Fixing / Provision of Outdoor type Non-metallic Modular Panel enclosure with transparent polycarbonate Lid shock proof, IP65 (Weather Proof) rust proof, dust proof, water proof, corrosion proof having internally moulded gasket on both lid and flap suitable to fix Single Phase / Three Phase Energy Meter in suitable base plate and having a provision for Fuse / MCB cutout with suitable transparent hinged flap opening for operating MCB along with complete tamper proof SEALING facility 300mmx450mmx214mm	Each	0	0	5127	5127 00	0
Supplying and fixing of 1pole power contactor with NO/NC contacts in existing wpn1/panel board using necessary bolts nuts washers and wiring etc, complete with AC-3 Rating and as per IS-13947 100 to 125Amps	Each	0	0	7200	7200 00	0
Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and C Type with indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required connecting to IEC 60998 50-63 Amps SP	Each	0	0	723	723 00	0
Supplying and fixing Microprocessor Based Astronomical timer Switch with using necessary bolts nuts and washers	Each	0	0	4030	4030 00	0
Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with Specified IS-694 confirming to latest amendments 6 sqmm	Mtr	0	0	70	7000	0
Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes 6 sqmm	Each	0	0	7		0 00
TOTAL						201853 67
Add GST 12 % on item no 10 to 15						201853 67
TOTAL Rs						3400 00
Fine imposed for non burning of street lights For the period of 01/12/2022 to31/12/2022						4037 07
As per street light agreement clause 2 % will be deducted in monthly maintenance bill against the released scrap material						194416 60
GRAND TOTAL						

CERTIFICATE

1 This is to certify that the work done is satisfactorily

2 This is to certify that the bill amount calimed in this bill does not claimed in any of the previous bill.

3. The rates 10 to 15 are checked and Correct

Junior Engineer (Elec)
Dasarahalli Division

Asst Executive Engineer(Elec)
Dasarahalli Division

Executive Engineer (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone

EXECUTIVE ENGINEER (Ele)
Bruhath Bangalore Mahanagara Palike
Dasarahalli Zone, Bangalore

Dasarahalli Division

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